

1) The perimeter of a rectangle is 80 inches. The length is 4 times as long as the width. Find the area of the rectangle.

$P = 2L + 2W$
 $() = 2() + 2()$
 $L = 4x =$
 $W = x =$
 $A = () () = \square \text{ in}^2$
 $x =$

Final Answer

2) Two of the sides of rectangle ABCE are 4 units longer than the other two sides. If the perimeter of the rectangle ABCD is 68 units, what is the area of the rectangle?

Final Answer

3) A certain right triangle has a base of 4. Its height is 2 times the base. Suppose the height and the base are both doubled. The area of the second triangle is how many times as large as the area of the first.

① $A = \frac{1}{2} () ()$
 $A =$
 ② $A = \frac{1}{2} () () \times 2$
 $A =$

$\frac{A_2}{A_1} =$

Final Answer

4) A rectangle has an area of 60 meters, and a width of 4 meters. What is the perimeter of the rectangle?

Final Answer

5) The perimeter of a rectangle is 50 inches. The width is unknown. The length is two times longer than the width. Find the area of the rectangle.

$P = 2L + 2W$
 $() = 2() + 2()$
 $x =$

6) The perimeter of a rectangle is 64 feet. The width of the rectangle is half as long as its length. Find the length and width of the rectangle.

$A = () ()$
 $A = \square \text{ in}^2$
 Final Answer

7) The perimeter of a rectangle is 108 inches. The length is 2 times as long as the width. Find the area of the rectangle.

$P = 2L + 2W$

8) Two sides of the rectangle PQRS are 6 units longer than the two other side. If the perimeter is 52 units, what are the length and width of the rectangle?

$A = \square$

9) In a right triangle ABC, the hypotenuse BC, has a length of 13 units and side AB has a length of 5. What is the perimeter of the triangle?

$a^2 + b^2 = c^2$
 $\square^2 + b^2 = \square^2$
 $b = \square$

10) Two sides of the rectangle PQRS are 2 units longer than the two other side. If the perimeter is 60 units, what is the area of the rectangle?

$P = S_1 + S_2 + S_3$
 $P = \square \text{ units}$
 Final Answer